

## Work Order ID 54291



Page 1

December 7, 2009 2:30:32 PM

Item ID: D412-769-011

Accept



Setup Start



Revision ID:

Stop



Item Name: Aft Facing Seats (LH/RH)

Start Date: 07/12/2009 Start Qty: 5.00



Cust Item ID:

Required Date: 21/12/2009 Req'd Qty: 5.00



Customer:

Reference:

Approvals: Process Plan: *BB*Date: *07/12/09*

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
IIN D412-769	Rev B								

100



DOCUMENT CONTROL

DC

Document Control

Memo

0.00

Photocopy bluefile &amp; type labels per PPP D412-769-011 CHG 001

*MF**Solalz*

110



QC4- 100% Inspect kits for completeness

0.00

QC

Quality Control

Memo

0.00

*→ Solalz**(C)*

120



Packaging

0.00

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D412-769-011  
Location: \_\_\_\_\_ PPP Rev: *C**Polymer 5*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

**Work Order ID 54291**

Page 2

December 7, 2009 2:30:32 PM

Item ID: D412-769-011

Accept



Setup Start



Revision ID:

Stop



Item Name: Aft Facing Seats (LH/RH)

Start Date: 07/12/2009 Start Qty: 5.00



Cust Item ID:

Required Date: 21/12/2009 Req'd Qty: 5.00



Customer:

Reference:

Run Start



Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Stop



QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run HoursDraw  
NumberDraw  
Rev.Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

130

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

10/01/25

MF  
10-1-25

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

**Picklist Print**

Page 1

December 7, 2009 2:30:35 PM

Work Order ID: 54291



Parent Item: D412-769-011



Parent Item Name: Aft Facing Seats (LH/RH)

Start Date: 07/12/2009

Required Date: 21/12/2009

Comments:

Start Qty: 5.00

Required Qty: 5.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D412-769-041 		Manufactured		No		110	Each	0.0000	5.0000		54297	
Aft Facing Seat, LH												
D412-769-042 		Manufactured		No		110	Each	0.0000	5.0000		54298	

Aft Facing Seat, RH

S5

S6

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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NOTE: Date & initial all entries

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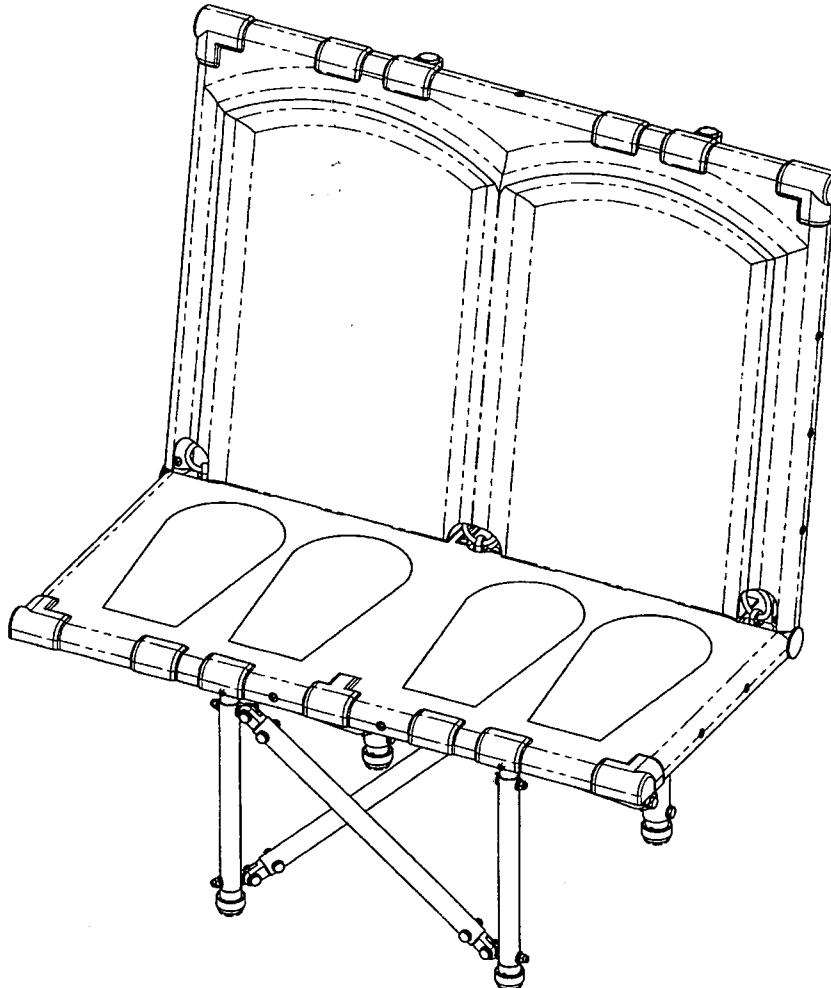
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**D412-769-043 AFT FACING SEAT ASSY, LH**

SHEET 1 OF 1  
 RELEASED  
 ENGINEERED  
 UNCONTROLLED  
 SUBJECT TO CHANGE  
 NO. 54291  
 DR 09-12-7

RELEASED  
58-07-09 MWD

B	NEW HARDWARE	HS	08.06.25
A	NEW ISSUE	HS	08.06.04
REV.	DESCRIPTION	BY	DATE
DESIGN	HS	<b>DART AEROSPACE LTD</b>	
DRAWN	HS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	PA	DRAWING NO.	REV. B
MFG. APPR.	PA	D412-769-1	SHEET 1 OF 7
APPROVED	NP	TITLE	SCALE
DE APPR.	NP	AFT FACING SEAT ASSY, LH	NTS
DATE	08.06.25	<small>           COPYRIGHT © 2008 BY DART AEROSPACE LTD            THIS DOCUMENT IS THE PROPERTY OF DART AEROSPACE LTD. IT IS EXRESSED CONDITION THAT IT IS            NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT            WRITTEN PERMISSION FROM DART AEROSPACE LTD         </small>	

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

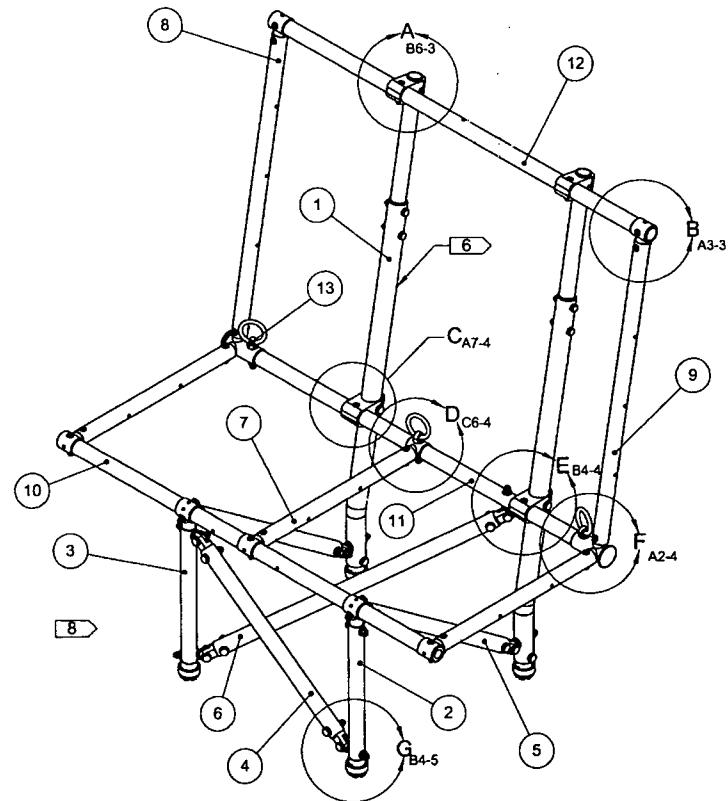
Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

ITEM NO.	PART NUMBER	DESCRIPTION	QTY. (-043)
1	D3782-045	BACK LEG ASSY	2
2	D3782-041	FRONT INBOARD LEG ASSY	1
3	D3782-043	FRONT OUTBOARD LEG ASSY, LH	1
4	D3783-041	LATERAL BRACE ASSY	1
5	D3783-043	LONGITUDINAL BRACE ASSY	2
6	D3783-045	ANGLE BRACE ASSY	1
7	D3784-041	SEAT SUPPORT ASSY	1
8	D3784-043	SEAT SUPPORT ASSY, LH	1
9	D3784-044	SEAT SUPPORT ASSY, RH	1
10	D3766-1	FRONT RAIL, LH	1
11	D3766-3	REAR RAIL	1
12	D3767-1	UPPER RAIL	1
13	D3792-1	SEAT BELT EYE BOLT	3
14	D3775-1	GUARD	2
15	D3774-1	SEAT BOTTOM	1
16	D3774-3	SEAT BACK	1
17	AN3-5A	BOLT	6
18	AN4-15A	BOLT	2
19	AN45-13A	EYE BOLT	1
20	AN5-10A	BOLT	6
21	AN5-13A	BOLT	2
22	AN525-10R22	SCREW	13
23	AN525-10R24	SCREW	9
24	MS21042L3	NUT	28
25	MS21042L4	NUT	2
26	MS21042L5	NUT	12
27	NAS1149D0332J	WASHER (AN960JD10L)	13
28	NAS1149D0363J	WASHER (AN960JD10)	21
29	NAS1149D0463J	WASHER (AN960JD416)	4
30	NAS1149D0568J	WASHER (AN960JD516)	20

B  
B

D412-769-043 AFT FACING SEAT ASSY, LH

RELEASED  
08-07-09 10:05

DESIGN	HS	DART AEROSPACE LTD	
DRAWN	HS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	14	DRAWING NO.	REV. B
MFG. APPR.	14	D412-769-1	SHEET 2 OF 7
APPROVED	14	TITLE	SCALE
DE APPR.	14	AFT FACING SEAT ASSY, LH	
DATE	08.06.25	NTS	

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NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: POWDER COAT ASSEMBLED SEAT "GREY SANDTEX" (4.3.5.6) PER DART QSI 005 4.3 PRIOR TO INSTALLATION OF SEAT BOTTOM/BACK (D3774-1/-3). MASK FRONT LEGS PRIOR TO POWDER COAT.
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH D2729-1 RED DECAL ATTACHED TO BACK LEG ASSEMBLY (D3782-045)
- 7) WEIGHT: 30.0 lbs
- 8) ITEM 15 (D3774-1 SEAT BOTTOM) AND ITEM 16 (D3774-3 SEAT BACK) REMOVED FOR CLARITY

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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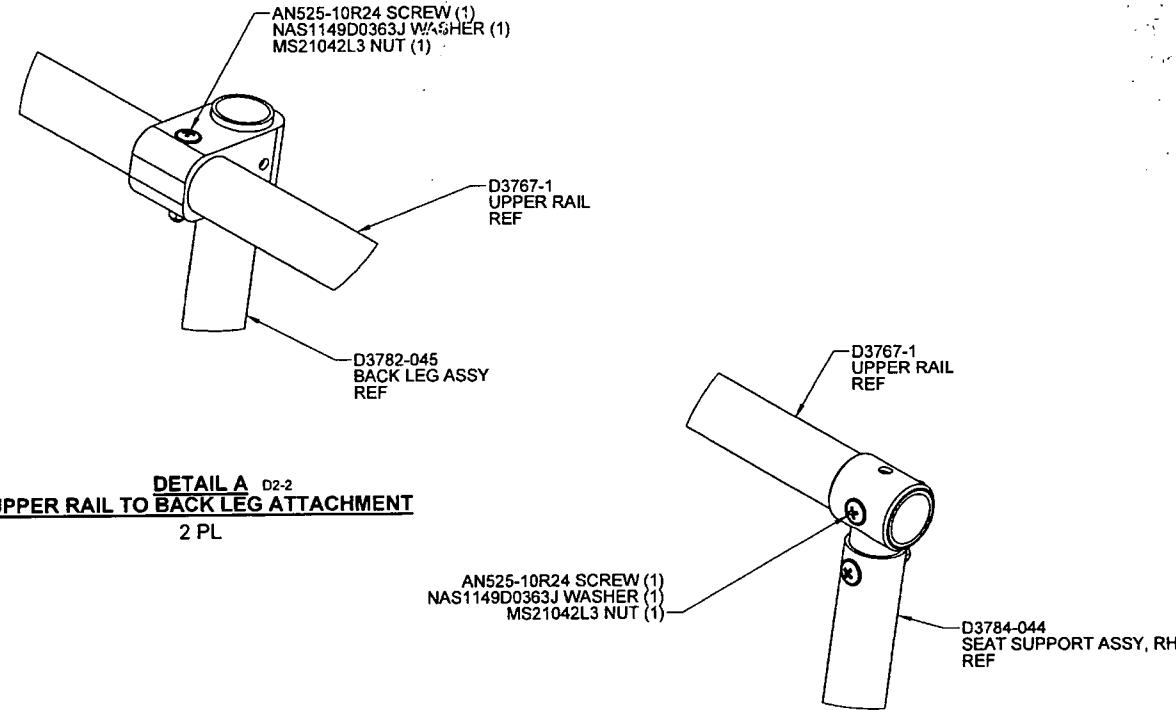
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RELEASED  
02.07.09

u/o 5421

DESIGN	HS	DART AEROSPACE LTD
DRAWN	HS	HAWKESBURY, ONTARIO, CANADA
CHECKED	RT	DRAWING NO. REV. B
MFG. APPR.	MP	D412-769-1 SHEET 3 OF 7
APPROVED	MP	TITLE
DE APPR.	MP	SCALE
DATE	08.06.25	NTS

AFT FACING SEAT ASSY, LH

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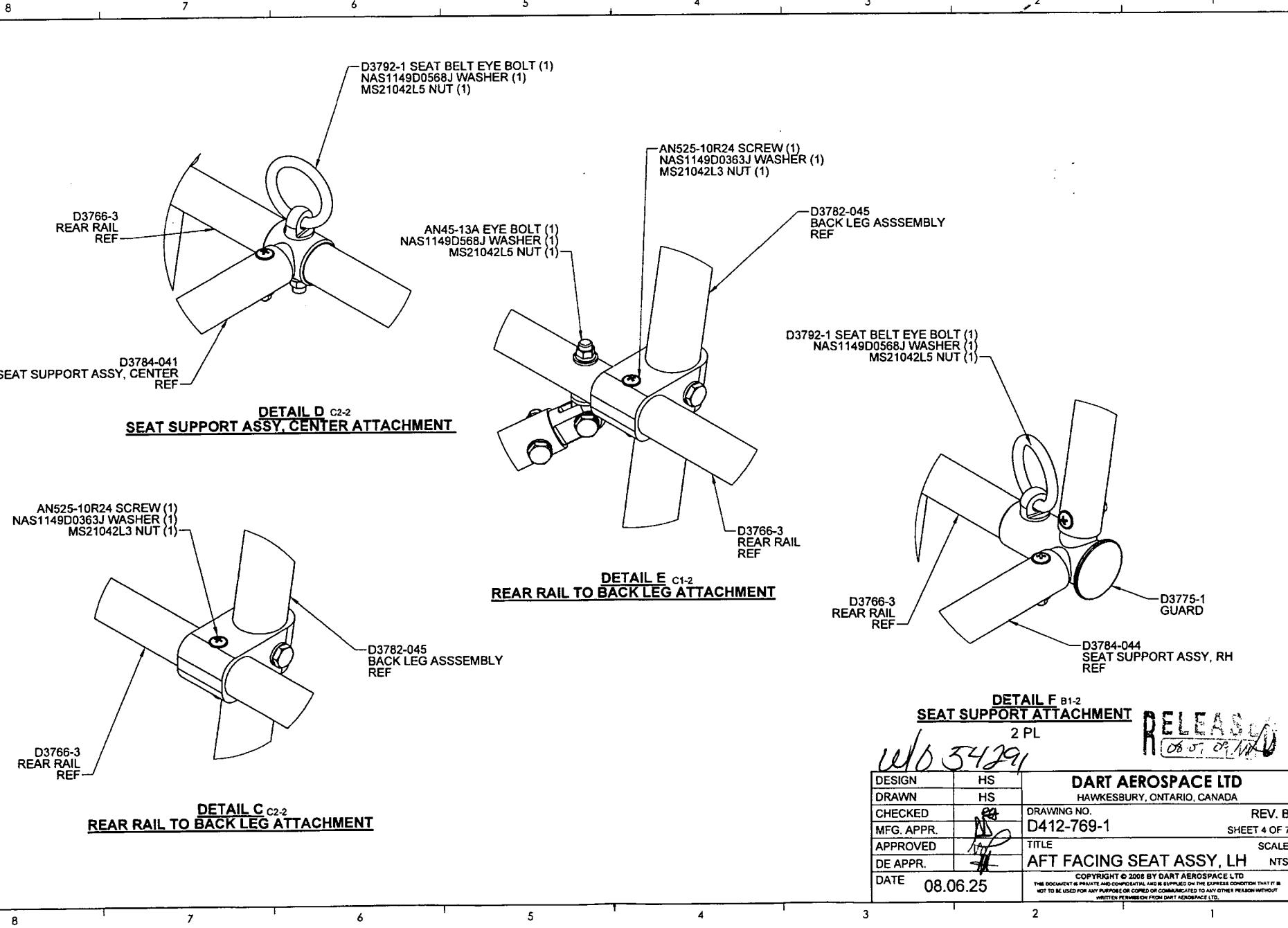
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Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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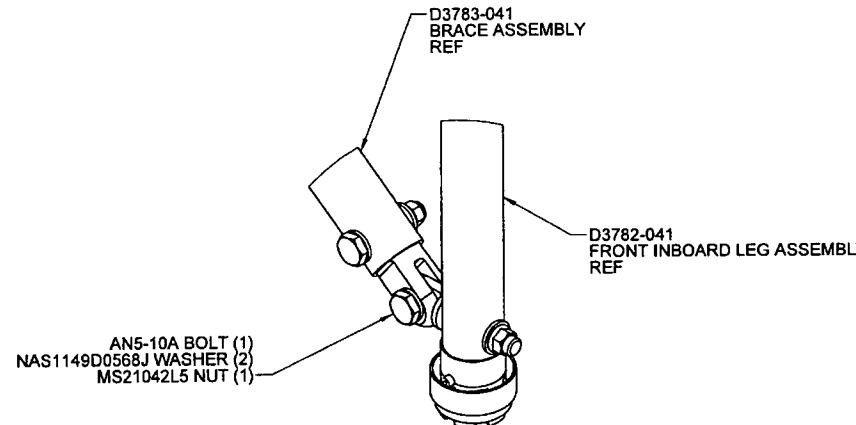
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6 PL

RELEASED  
08.07.09 MPA

W6 54291

DESIGN	HS	DART AEROSPACE LTD
DRAWN	HS	HAWKESBURY, ONTARIO, CANADA
CHECKED	AS	DRAWING NO. REV. B
MFG. APPR.	AS	D412-769-1 SHEET 5 OF 7
APPROVED	AS	TITLE SCALE
DE APPR.	AS	AFT FACING SEAT ASSY, LH NTS
DATE	08.06.25	COPYRIGHT © 2008 BY DART AEROSPACE LTD THE DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

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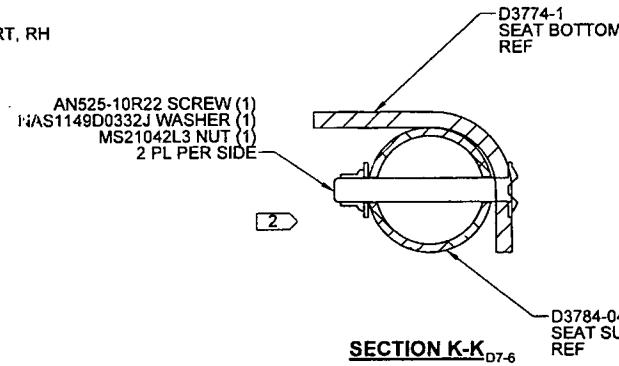
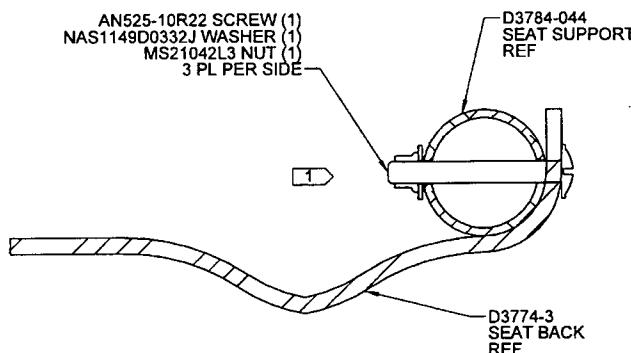
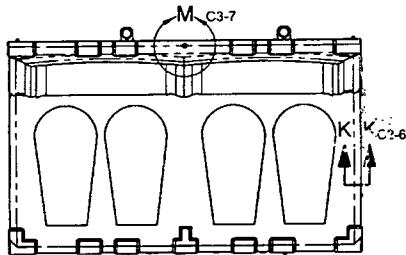
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DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

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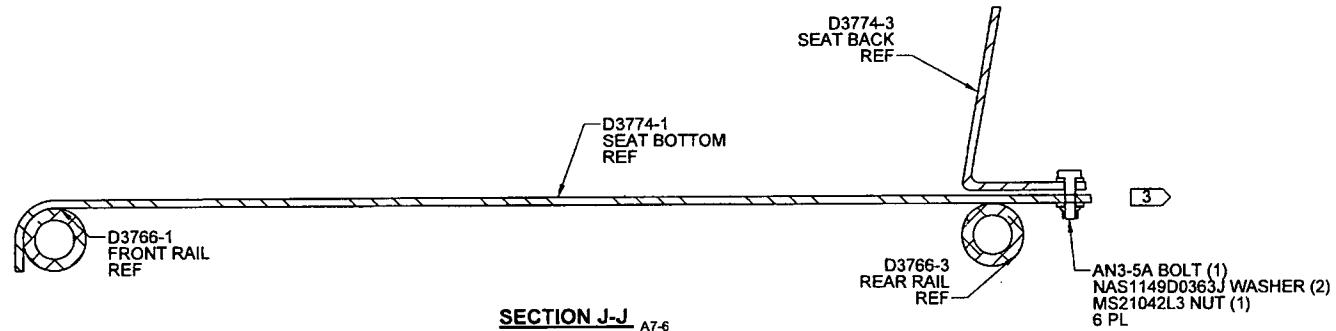
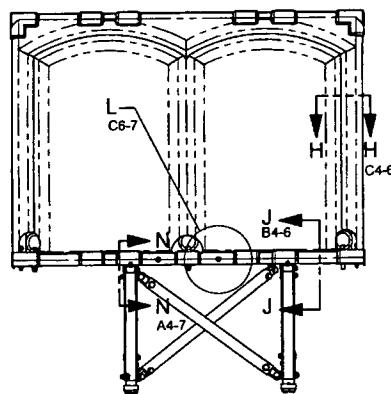
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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



SECTION H-H B7-6



SECTION J-J A7-6

RELEASER  
08-07-07  
110 54291

DESIGN	HS	DART AEROSPACE LTD
DRAWN	HS	HAWKESBURY, ONTARIO, CANADA
CHECKED	ES	DRAWING NO.
MFG. APPR.	NY	D412-769-1
APPROVED	NY	REV. B
DE APPR.	NY	SHEET 6 OF 7
DATE	08.06.25	TITLE
		AFT FACING SEAT ASSY, LH
		NTS

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NOTES:

- 1) TRANSFER DRILL Ø 0.201 FROM SEAT SUPPORTS (D3784-043/-044) TO SEAT BACK (D3774-3) - 3 PL/SIDE
- 2) TRANSFER DRILL Ø 0.201 FROM SEAT SUPPORTS (D3784-043/-044) TO SEAT BOTTOM (D3774-1) - 2 PL/SIDE
- 3) TRANSFER DRILL Ø 0.201 FROM SEAT BOTTOM (D3774-1) TO SEAT BACK (D3774-3) - 6 PL

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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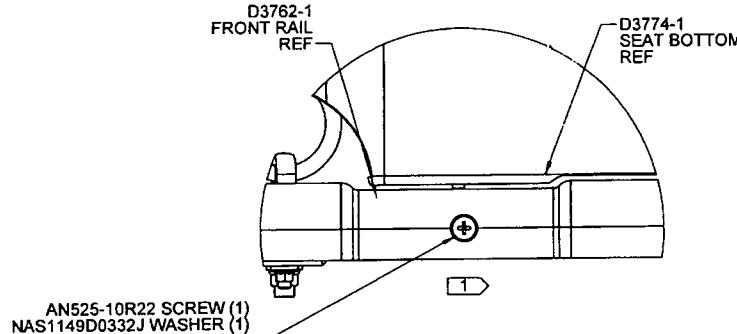
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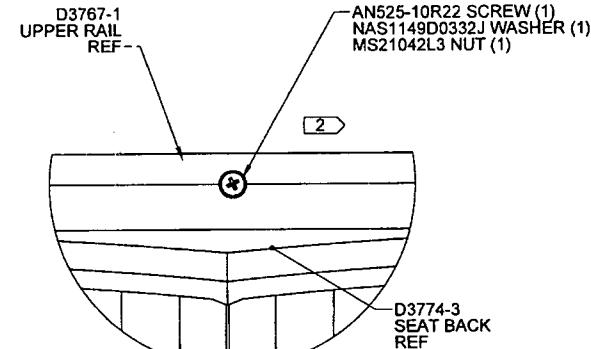
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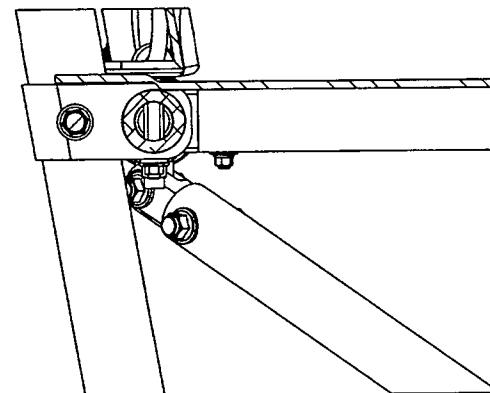
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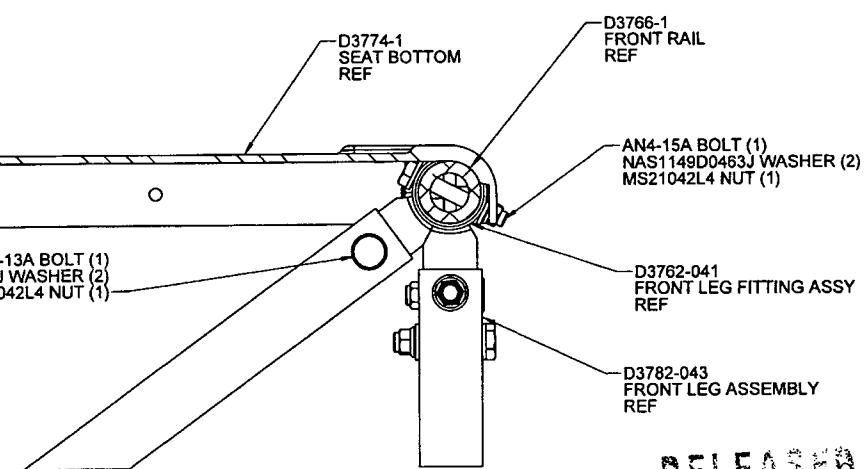
**DETAIL L A7-6**  
**SEAT BOTTOM ATTACH - FRONT DETAIL**  
2 PL



**DETAIL M D7-6**  
**SEAT BACK ATTACH - TOP DETAIL**



**SECTION N-N A8-6**  
**FRONT LEG AND LONGITUDINAL ANGLE ATTACHMENT**  
2 PL



10/05/2021  
RELEASED  
08-07-07-14

**NOTES:**

- 1) TRANSFER DRILL Ø0.201 FROM FRONT RAIL (D3766-1) TO SEAT BOTTOM (D3774-1) - 2 PL
- 2) TRANSFER DRILL Ø0.201 FROM UPPER RAIL (D3767-1) TO SEAT BACK (D3774-3) - 1 PL

DESIGN	HS	DART AEROSPACE LTD	
DRAWN	HS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	✓	DRAWING NO.	
MFG. APPR.	✓	REV. B	
APPROVED	✓	D412-769-1	
DE APPR.	✓	SHEET 7 OF 7	
DATE	08.06.25	TITLE	SCALE
		AFT FACING SEAT ASSY, LH	

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